

The Influence of an Electric Field Upon the Photo-E.M.F. in the Case of an Insulated Semi-Conductor,
by V. E. Lashkarev, 9 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol 70, 1950, pp 813-816.

Sci Museum No 51/2742

Scientific - Electricity

Some Observations on Processes Connected With the
Formation of Ice, by N. Ya. Selyakov, 4 pp.

RUSSIAN, thrice-mo per. Dok Ak Nauk SSSR, Vol LXX,
No 5, 1950, pp 821-824.

SIA 59-19987
Sci Trans Center RT-152
A R D C - X - 45 SI PRE
Differencing file 2nd M. 195

USSR
Scientific - Geophysics

Jan 54 CTS

8671

Relationship Between Crystal Lattice Parameter of
Austenite and Start of Martensite Transformation
in Iron-Carbon Alloys, by V. I. Arkharov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXX, No 5,
1950, pp 833-835.

Brutcher Tr 26%

12,853

Scientific - Min/Metals \$3.30

A Systematic Study of the Dependences on Speed and Temperature of the Resistance to Deformation in One-Phase Metals, by L. D. Sokolov, 4 pp.

RUSSIAN, Khriste-mo per, Dok Ak Nauk SSSR, Vol LXX, 1950, pp 839-841.

AEC Tr 3081

Sci - Phys

55, 751

Nov 57

16 371

US-14

LIKHTMAN V. I., REBINDER P. A.

The influence of active lubricants on the compression and sintering
processes of powdered metals

Dokl. Akad. Nauk SSSR, 70, No. 5, 851-853 (1950)

RJ.23. \$ 2.40 - English

E u r a t o m

Henry Bratcher
TR 2614

The Heat of the Reversible Transition of
Butyric Acid Hydroperoxide Into Various
States, by Z. K. Mayzus, V. M. Cherednichenko,
N. M. Emanuel', 7 pp.

RUESSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXX, No 5, 1950, pp 855-858.

Sci Tr Center
RT-2289

Scientific - Chemistry
CTS 70/Jul 55

25, 231

Urazovskii, S. S. and Sidorov, I. A.
THE TEMPERATURE DEPENDENCE OF THE HEAT
CAPACITY OF LIQUIDS AND THE NATURE OF
PHASE TRANSITIONS OF THE SECOND KIND [Ob
Osobennostyakh v Temperaturnoi Zavisimosti Teplom-
kosti Zhidkostej i o Priorode Fazovykh Prevrashchenii
Vtogo Roda]. 21 Nov 58 [11]p. 8 refs.

Order from OTS or SLA \$1.60 61-16707

Trans. of Akademiya Nauk SSSR, Doklady 1950,
v. 70, no. 5, p. 859-862.

DESCRIPTORS: *Liquids, *Phase transitions, Temper-
ature, Heat, Measurement, Thermodynamics,
Colorimeters.

The points of phase transitions of crystalline-polymor-
phic modifications coincided with the temperatures of
their phase transitions of the second order in the under-
(Physics--Thermodynamics, TT, v. 6, no. 9) (over)

61-16707

I. Urazovskii, S. S.
II. Sidorov, I. A.

185394

Office of Technical Services

Gorbunova, L.I.
RESULTS OF A COMPARATIVE INVESTIGATION OF
GLAUCONITES OF DIFFERENT FACIES, 9 p.
MTWL: 624.

Order from OTS or ETC \$1.55 61-17226

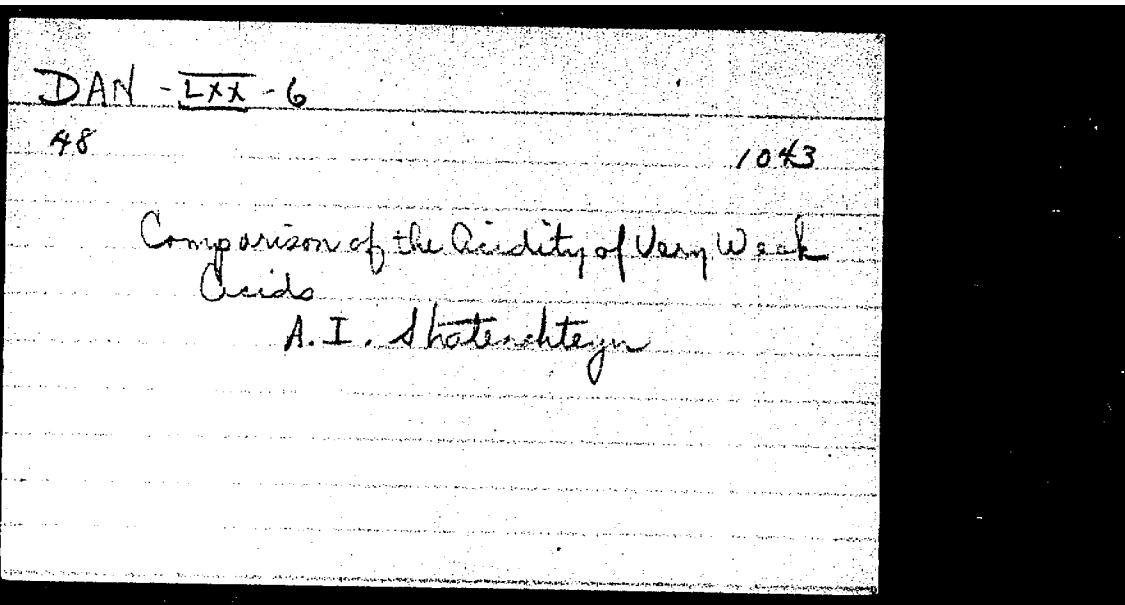
Trans. of Akademiya Nauk SSSR. Doklady, 1950,
v. 70, no. 3, p. 867-870.

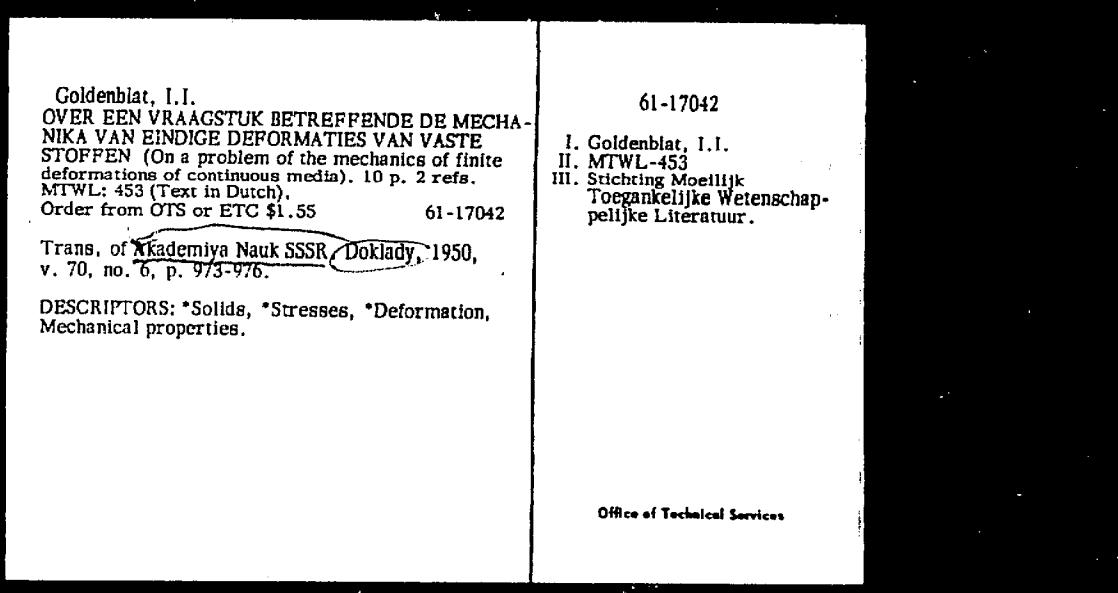
DESCRIPTORS: Sedimentation, Rock, *Paleoecology,
*Silicates.

61-17226

I. Gorbunova, L.I.
II. MTWL-624
III. Stichting Moeilijk
Toegankelijke Wetenschap-
lijke Literatuur

Office of Technical Services





WAN

Vol 70, # 6, pp 989-990 (1950)

Effect of Temperature on Duration of Luminescence
of Fluorescein Solutions

H. D. Salainen
Sci. Jr. C.R. RT 427

Xang J 266/NR4 322

165 T 68

Single-stage Quartz Replicas for Electron-Microscopic Investigations, by L. Y. Zemlyanova, Yu. M. Kushnir and A. I. Frymer, 6 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol 70, No 6, 1950, pp 991-993.

Sci Museum No 51/2756

Scientific - Electrons

Dynamic Character of a Focus From Seismic
Observations, by V. I. Meilis-Borok, (unedited)

RUSSIAE, per, Dok Akad Nauk SSSR, Vol LIX,
No 6, 1950, pp 995-998.

Univ of Wisconsin
(MSF)

Sci - Geophys
Apr 60

113, 913

New Data on Night-Sky Radiation in the 8,800-
11,000 Å Region, by V. I. Krasovskiy, 4 pp.

RUSSIAN, trizice-mo per. Dok Ak Nauk SSSR, Vol LXX,
No 5, 1950, pp 999-1000.

Air Research and Development Center,
Baltimore, Md. *Commander*
T - 140 RU

USSR *(A.C.S.I.L. Ju 1487
72079,0)* 11,080
Scientific - Geophysics

Mar 54 CTS

The Influence Of Concentration, pH, and of
Tannides on Electrokinetic Potential of
Particles of Synthetic Latexes, by S.S.
Voyutskii and Yu.A.Smetkin.
RUSSIAN, per, Doklady Ak Nauk SSSR, 1950, v.70,
no.6, pp. 1013-1016.
SIA-FT-64-20365

Mat/Metal
Aug 66

307,698

The Hydrogen Bond in the Hydroperoxide of
Propionic Acid and Its Kinetic Effect, by
B. S. Neporent, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXX, No 6, 1950, pp 1025-1028.

Sci Tr Center
RT-2290
(6pp)OTS TT-63-20656 28908

Scientific - Chemistry Nov 55 CTS/DEX

Shatenshtain, A. I.

COMPARISON DE LA FORCE DES ACIDES TRÈS FAIBLES, tr. by Mme. Bourrelli. 5 July 60 [8]p.
6 refs. CEA Trans. no. R 967 (text in French).
Order from OTS or SLA \$1.10

61-23782

Trans. in French of Akademicheskie Nauki SSSR [Doklady]
1950, v. 70, no. 6, p. 1029-1031.

DESCRIPTORS: *Acids, *Metalorganic compounds,
*Deuterated compounds. Ammonia, Exchange re-
actions.

In heavy water and in deuterated alcohol, the hydrogen
of metalorganic compounds, bound to the carbon, is
exchanged with difficulty and usually only after pro-
longed heating. Results of experiments indicate that
the velocity of the exchange reaction increases dis-
tinctly in deuterated liquid ammonia.

(Chemistry--Physical, TT, v. 6, no. 7)

61-23782

I. Shatenshtain, A. I.
II. CEA-tr-R967
III. Commissariat à
l'Energie Atomique
(France)

Office of Technical Services

Raman Spectra of Deuteroacetylacetone and
Deuteroacetoacetic Ester, by D. A. Shigorin,
Ya. K. Syrkin. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXI,
No 6, 1950, pp 1033-1036.

DSIR LIU M.1373

(loan)

Sci - Chem
Apr 60

112,666

Further Investigation of the Products of Reduction
of Carbon Dioxide by Caloroplasts, by E. A. Boi-
chenko.

Full translation.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol 70, 1950,
pp 1037-1040.

AEC Tr 1224
AEC -UCRL-Tr-116

Scientific - Chemistry

The Influence of Surface-Active Admixtures on Cement-Water Reactions, by S. V. Shestoporov, T. Yu. Lyubimova, F. M. Ivanov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 70, (6), 1950,
pp 1045-1048. (See Watford: Building Research Station.)

Building Research Library. Communication No. 559.

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Dependence of Strength Upon the Loading Rate in Brittle Rupture, by G. M. Bartenev, 8 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol IXXI, No 1, 1950,
pp. 23-26

NLL 5828.4F

CIA/FDD/X-1134

Scientific - Physics

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7017

Luminescence and Photoconductivity of Cadmium Sulfide
by D. V. Gurevich, N. A. Tolstoy and P. P. Feofilov,
8 pp.

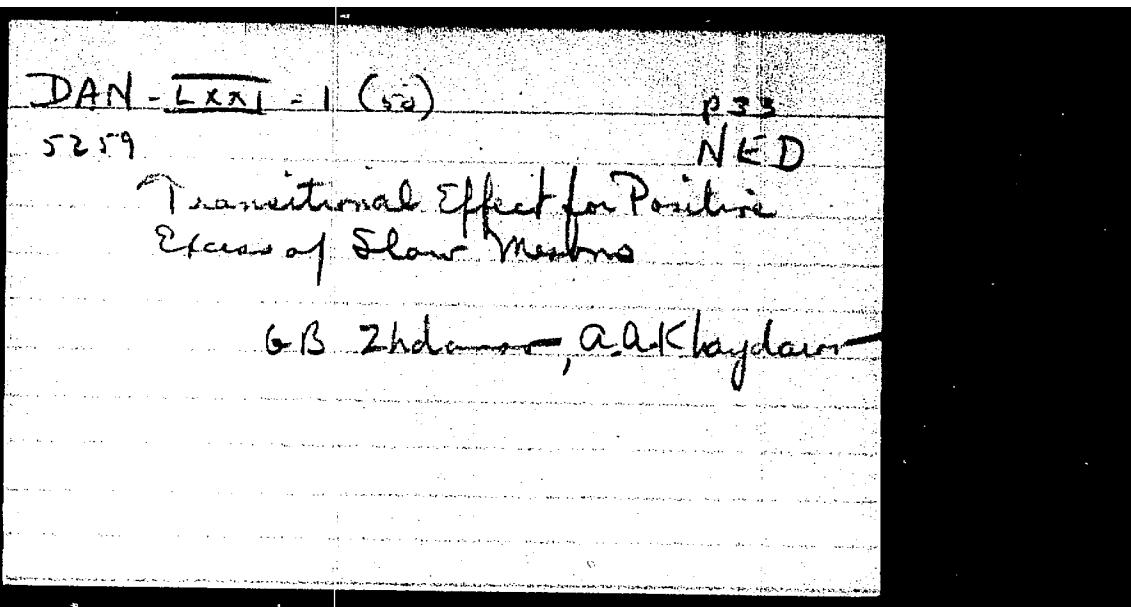
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 1, 1950
pp 29-32

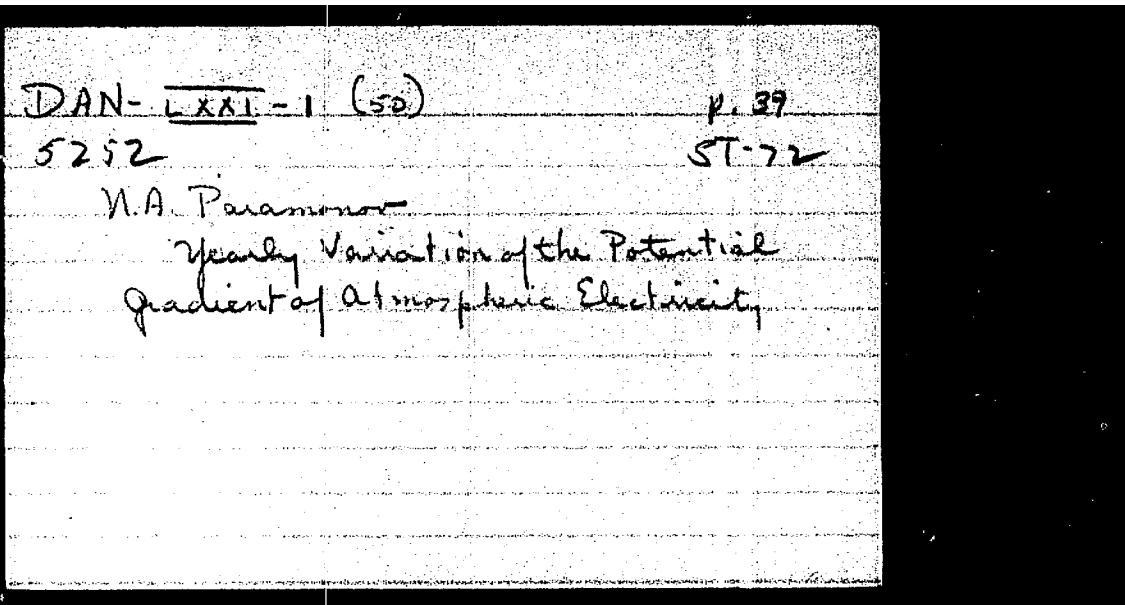
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Scientific - Chemistry

CTB/DEX

7018





Determination of Current Velocities and Density Distribution in a Cross-Section of an Infinitely Long Channel, as Related to the Action of the Wind and of Side-Friction in the Coriolos-Force Field, by V. B. Shtokman,

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 1, 1950,
pp 41-44.

Scientific - Physics

AEC TR 1265
Also Nef Sci Info Service
1950, India T-60R

On the Maximum Heat Flux on Boiling Water Under High and Superhigh Pressures, by E. A. Kuzakova,
7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXI,
No 1, 1950, pp 53-55.

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RT-3919

39,152

Sci - Engineering
Sep 56 CTS/dex

Eng. Pl. 57/0489

An Investigation of the System CuO - Fe₂O₃, by N. A. Foropov, and A. I. Borisenko.

Full translation.

RUSSIAN, no par, Dok Ak Nauk SSSR, Vol LXXI, No 1, 1950,
pp 69-71.

AEC Tr 1436

USSR

SLA TR R-1024

Scientific - Chemistry, CuO - Fe₂O₃

Nov 52 CTS/DEX

BALASHOVA, S. S.
TSAREVA, O. S.
VAGHANYAN, A. T.

Seklady Akademii Nauk SSSR, vol. 71, 1950,
No. 1, pp. 73-75; 3 figures, 1450 words.

Activation of Metal Surfaces Preparatory to
Being Electroplated.

Brutcher Trans., Order No. 2540, \$ 2.90.

Investigation of Materials with Elastic, Plastic
and Viscous Properties, P. A. Rebinder and E. E.
Segalova, 8 pp.

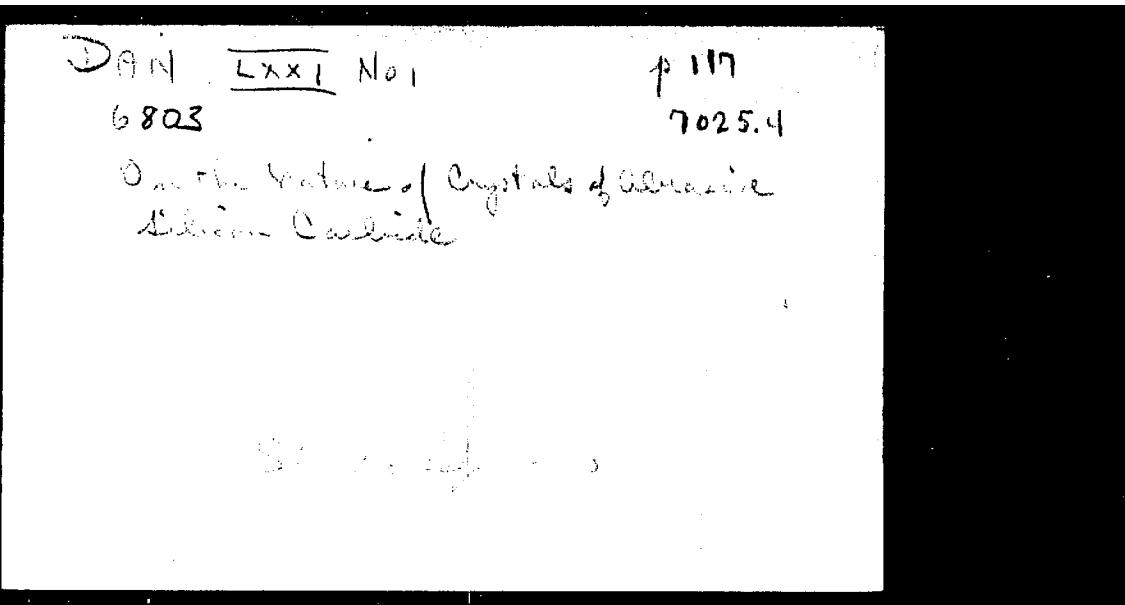
by X
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXII, No 1, 1950
pp 85-88

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Scientific - Physics

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7016



INFLUENCE OF SOME ELEMENTS UPON THE FORMATION OF GLOBULAR
GRAPHITE IN CAST IRON, BY P. P. PETROSYAN, S. V. SEMENOV,
SHARKHBUAGYAN, 6 PP.

RUSSIAN, THREE-MO PER, DOK AK NAUK SSSR, VOL LXXI, NO 1,
USSR, 1950, PP 123-125. CITED

BRUTCHER TR No 2528

SCIENTIFIC - MINERALS/ METALS, GRAPHITE, CAST IRON

APR 55 CTS

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The N. V. Smirnov Theorem Concerning the
Comparison of Two Selections, by I. D. Kvit

RUSSIAN, per, Dok Ak Nauk, Vol LXXI, No 2,
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AEC Tr 982

Scientific - Physics

S-5264

(DC-2944).

The Effect of Ultrasound Upon the Phenomenon
of Orthotropism in Organic Substances, by A.
P. Kapustin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR Novaya Seriya,
Vol LXXI, No 2, 1950, pp 273, 274.

JPRS-L-1780-D

Sci - Phys, Crystallization
Jul 59

92, 954

Evaporation From the Surface of a Soil With a
Ground Water Level Below the Surface, by N. P.
Chebotarev,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXI, No 2, 1950, pp 275-276.

UKSM Ref No 3040

May 58

63, 893

Piezo-electric Properties of Wood, by V. A.
Bazhenov and V. P. Konstantynova,

RUSSIAN, Dok Ak Nauk SSSR, Vol 71, No 2,
pp 283-286, 1957.

Sci Museum Lib No 50/3857 - London

Sci

165181

SADOVSKI, V. D.
LEBLINSK, R. S.
POLYAKOV, A. N.

Beklady Akademii Nauk SSSR, vol. 71, 1958, No. 2,
pp. 299-301; 4 figures. 1000 words.

Electron-microscopic investigation of the Austenite
Decomposition in the Pearlite-Ferrite Range.

Scratch Trans. Order No. 2601. \$2.00.

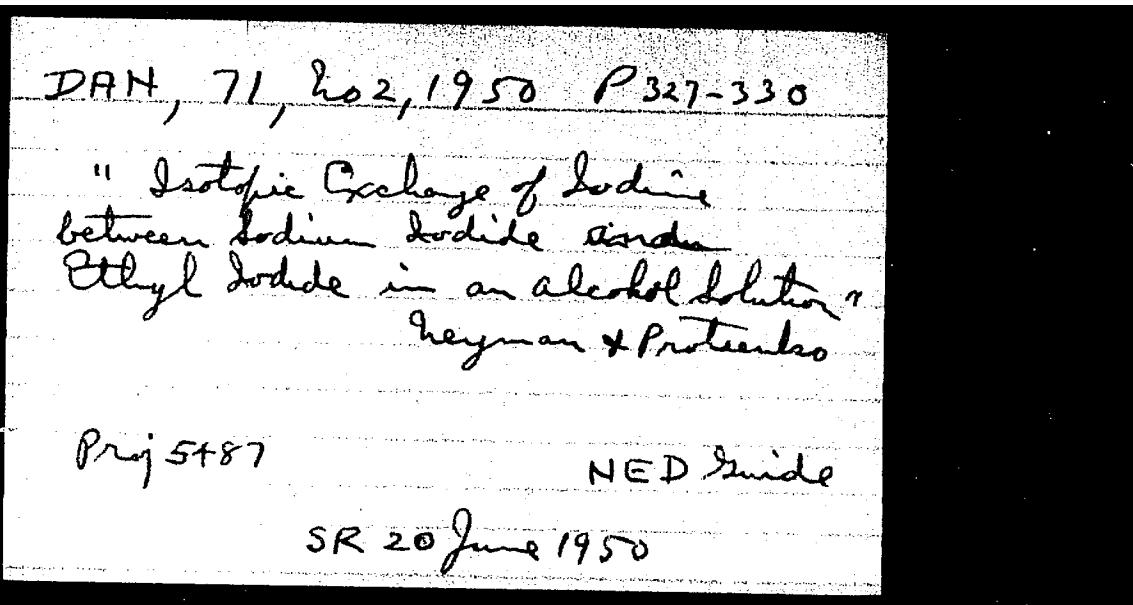
On the Behavior of the Glass Electrode in the Acid
Region, by N. A. Gzmadlov and A. M. Aleksandrova,
4 pp.

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1950.

SLA 60-17417
Sci Museum Lib No 51/0467 - London
DSIR LL4 M-1653 (L01N)

Sci - Chemistry



DAN, 71, No 2, 1950, P. 361-63

"Corrosion of Metals by Cracking,
Gasolines etc" L.G. Gindin

Proj 5638

CD 7025.4

SR 7 June 1950

Breitkopf Trans. # 2531

DAN, Vol 71, No 3

Synthesis and Insecticidal Properties
of Some Esters of Phosphoric Acid

Proj 5273

1734.6

SR 8 May 1950

Changes in the Absorption of ZnS-Cu, Co Phosphor
During Excitation, by V. V. Antonov-Romanovskiy and
I. P. Shchukin, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol LXXI, No 3, 1950
pp 445-446

CIA/PDD/X-1129

Scientific - Chemistry

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7014

Polarizability Theory and Optical Activity,
by M. V. Volkenstein.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI,
No 3, 1950, pp 447-450.

INSDOC-T2104

Sci

72, 751

Aug 58

Use of Ultrasonic Waves to Produce Orientation in
Crystalline ~~Substances~~, by A. Kapustin.

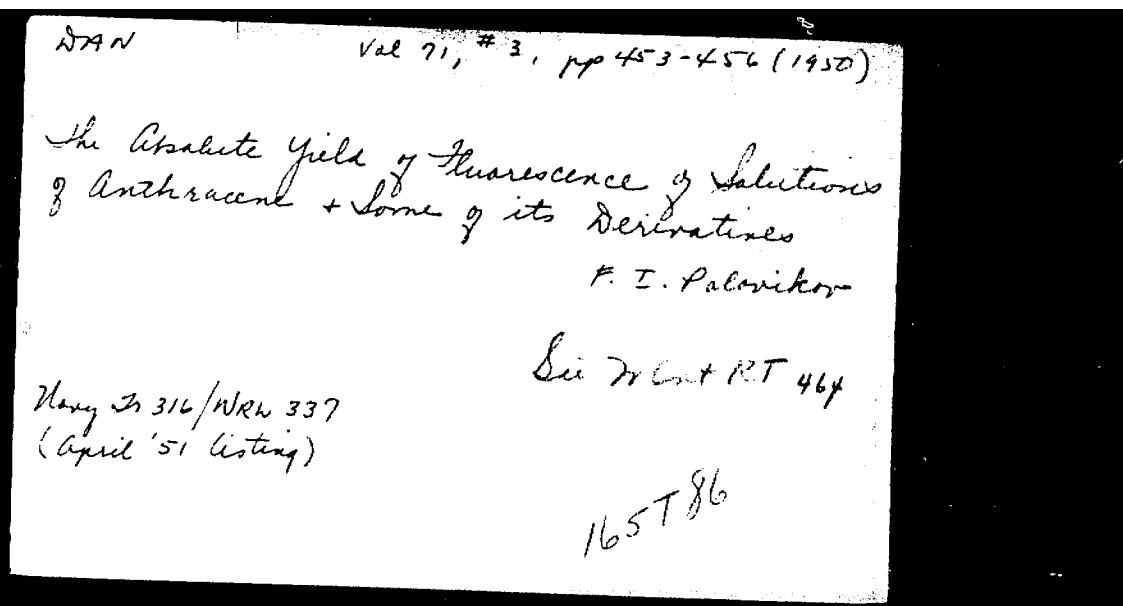
K
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 3, 1950,
pp 451-452.

Brutcher No 3066 \$1.75

Sci Phys

Jun 53

2238



DAN

Vol 71, #3, pp 457-463 (1950)

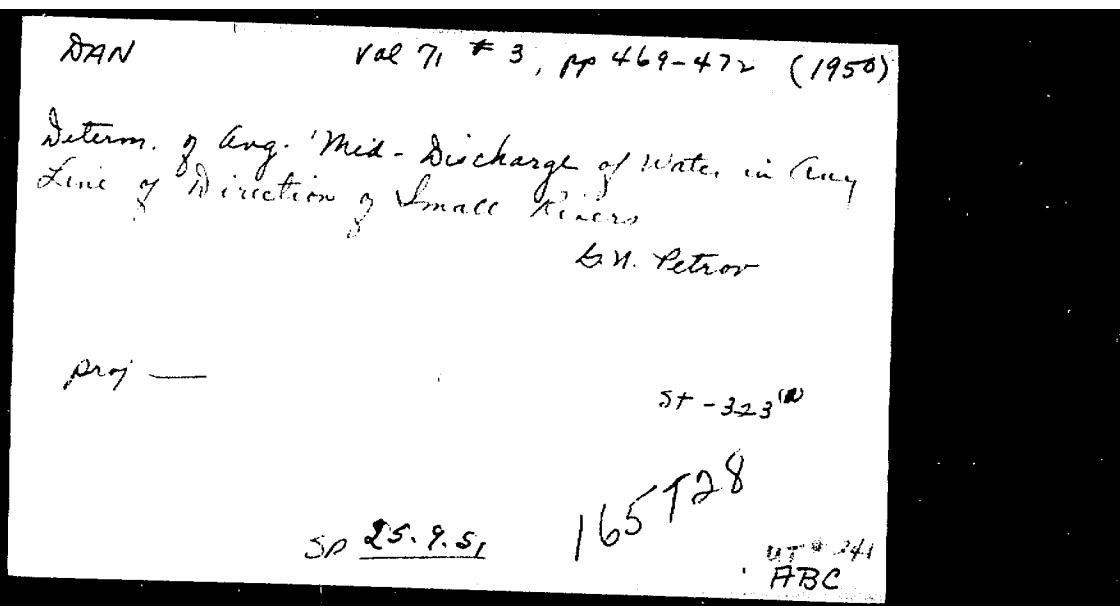
Phosphorescence of Benzyl Hydrocarbons at
Temperature of Liquid Oxygen

B.A. Pyatnitskij

In process-

Hony Jr. /New

165 T87



Nitriding of Iron by I. R. Krichevskii, N. E.
Khazanova, UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, 1950, No 3,
pp 481-484.

Brutcher Order No 3028
Price \$3 60

465

Scientific - Metallurgy

Use of Ultrasonic Waves to Produce Orientation
in Crystalline Substances, by A. Kapustin

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 3,
1950, pp 451-452.

Brutcher Order No 3066
Price \$1.75

Scientific - Physics Jun 53 GRS

2238

Polymerization of Oleic Acid and Its
Methyl Ester in the Presence of a Molecular
Compound of Boron Tri Fluoride and Orthophosphoric
Acid, by A. V. Topchiev and T. P. Vishnyakova.
RUSSIAN, per, Doklady Akad Nauk SSSR, 1950,
Vol 71, pp 493-496.
NLL RTS 2471 (On Loan or Purchase)

Aug 65

288,817

<p>Bagotskii, V. S. and Motov, D. I. REVERSIBLE OXYGEN ELECTRODE BASED ON MERCURY IN ALKALI SOLUTIONS AND THE MECHANISM OF CATHODIC REDUCTION OF OXYGEN B. W. Kuvshinoff, tr. 24 Jul 62, 7p 5refs APL/JHU-TG-230-T318 Contract N0W-62-0604-c Order from OTS \$0.50</p> <p>Trans. of Akademiya Nauk SSSR, Doklady, 1950, v. 71, no. 3, p. 501-504.</p> <p>DESCRIPTORS: *Electrochemistry, *Oxygen, Reduction (Chemistry), Reaction kinetics, Bases (Chemistry), *Electrodes, *Mercury, *Polarographic analysis</p> <p>(Chemistry--Physical, TT, v. 11, no. 7)</p>	<p>TT-62-11746</p> <p>I. Bagotskii, V. S. II. Motov, D. I. III. APL/JHU-TG-230-T318 IV. Applied Physics Lab., Johns Hopkins Univ., Silver Spring, Md. V. Contract N0W-62-0604-c</p> <p>TT-62-11746</p> <p>Office of Technical Services</p>
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Precipitation of Iron and Manganese Hydroxides
in Lakes, by B. P. Krotov, 1.3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXI, No 3, 1950, pp 533-536.

SIA R-1193

May 58

63921

<p>Mashaller, G. A. THE INFLUENCE OF FOREIGN EGG PROTEIN ON THE DEVELOPMENT OF BIRDS. [1960] 3p. TL-1144; M2197. Order from LC or SLA m\$1.80, ph\$1.80 61-13692 Partial trans. of Akademicheskie Nauk. SSSR. Doklady, 1950, v. 71, no. 3, p. 549.</p> <p style="text-align: center;"><i>142,813</i></p> <p>(Biological Sciences--Biochemistry, TT, v. 5, no. 2)</p>	<p>61-13692</p> <p>I. Proteins--Physiological effects I. Mashaller, G. A. II. Trans-TL-1144 III. DSIR LLU M. 2197</p> <p>Office of Technical Services</p>
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Law of Approach to Saturation for Martensite, by
H. S. Akulov, K. M. Mol'shova.

RUSSIAN, Dok Ak Nauk SSSR, Vol LXXI, No 4, 1950,
pp 633-635.

Brutcher Tr 2698

Scientific - Min/Metals

12,661
\$3.90

Effect of Nonuniform Excitation Upon Stimulation
Properties of Phosphors Sensitive to Infrared Rays, *by*
L. I. Anikina and V. V. Antonov-Romanovskiy
8 pp.

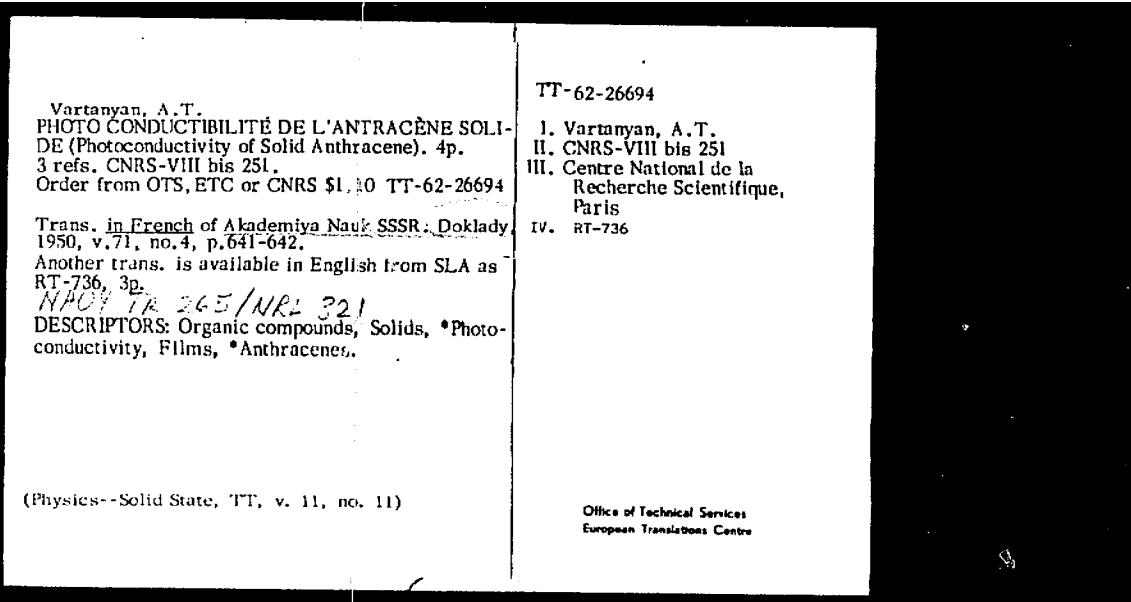
RUSSIAN, per, Dok Ak Nauk SSSR Vol IXXI, No 4, 1950
pp 637-640

CIA/FDD/ X-1130

Scientific - Physics

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7015



Sveshnikov, B.Ya. and Ermolaev, V.L. POLARISATION DE LA PHOSPHORESCENCE DES LUMINOPHORES ORGANIQUES À LA TEMPERATURE DE L'AIR LIQUIDE (Polarization of the Phosphorescence of Organoluminophors at the Temperature of Liquid Air). 8p. 10refs. CNRS-XVIII 34. Order from OTS, ETC or CNRS \$1.10 TT-62-28864 Trans. in French of Akademiya Nauk SSSR, Doklady, 1950, v.71, no.4, p.647-650.	TT-62-28864 I. Sveshnikov, B.Ya. II. Ermolaev, V.L. III. CNRS-XVIII 34 IV. Centre National de la Recherche Scientifique, Paris
DESCRIPTORS: "Phosphorescence, "Organic compounds, Temperature, Air, Liquids, Polarization.	(Chemistry--Organic, TT, v. 11, no. 7)
Office of Technical Services European Translations Centre	

Dependence of Absorption of Spectra of Alkali-Halide Phosphor-Sublimates Activated With Thallium, Upon Temperature, by K. V. Shalimova, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 4, 1950,
pp 651-653.

CIA/FDD/X-1136

Scienitific - Chemistry
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7076

Yudin, M. I.
THE INFLUENCE OF FOREST BELTS ON THE
TURBULENT EXCHANGE AND THE OPTIMAL
WIDTH OF THE BELTS (Vliyanie Lesnykh Polos na
Turbulentnyi Obmen i Optimal'naya Shirina Polos).
[Jan 62] 4p. 6 refs. PL-480 Agr.
Order from OTS \$0.50

60-21884

Trans. of Akademiya Nauk SSSR, Doklady, 1950, v. 71,
no. 4, p. 655-658.

DESCRIPTORS: *Forestry, *Trees, Growth, *Wind,
Velocity, Aerodynamics, Turbulent flow, Climatic
factors, Plants.

Any forest belt has a double effect on air currents
flowing over it: it acts simultaneously as a diffuser
and as an eddy producer. For the optimal width of
the belt the wind velocity after the passage through
the belt, should be 0.6 of the wind velocity in the
open.

60-21884

I. Yudin, M. I.
II. PL-480 Agr (60-21884)
III. National Science
Foundation,
Washington, D. C.

9099718

(Agriculture--Plant
Cultivation, TT, v. 7, no. 6)
Office of Technical Services

Study of the Products of Polymerizing
Cleic Acid, by A. V. Topchiev and T. P.
Vishnyakova.

RUSSIAN, per, Doklady Akad Nauk SSSR,
1959, Vol. 71, pp 685-688.
MLL RTS 2472 (On Loan or Purchase)

Aug 65

286,972

OI'shanskii, Ya. I.
IONIC-ELECTRONIC LIQUIDS. [1963] 7p 2refs
Order from OTS, SLA, or ETC \$1.10 TT-63-20441

Trans. of Akademiya Nauk SSSR, Doklady, 1950,
v. 71, no. 4, p. 701-704.

DESCRIPTORS: *Iron compounds, *Sulfides, Melting,
Crucibles, *Silicates, Solubility, Liquids, Fused
materials, Phase studies, Ions, Electrons.

(Chemistry--Physical, TT, v. 11, no. 3)

TT-63-20441

I. OI'shanskii, Ya. I.

Office of Technical Services

Sulfur Deficiency in the Plant as a Reason for
Decline of Potato Plant, by M. I. Lepnova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, 1950,
pp 721-723.

SLA/R-2560

Sci
Apr 59

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Biological Groups Among the Kura Osseter (Acipenser Guldenstadii Persicus Barodin) and the Basis for Their Artificial Culture, by N. L. Gerbilsky.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, no 4,
1950, pp 785-788.

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QH201, R C273 No 212

Sci - Biol
Sep 60

NRCC C-2999
Vol III, No 8

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Thrice Monthly Periodical
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Academy of Sciences, USSR
Moscow, 1950

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Academy

USSR

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OQMC Tr/ QMT-28

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Dec 1950 CTS

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"Nuclear spin's influence upon Resonance
paramagnetic absorption in Mn and Cu
salt solutions" S.A. al'tshuler et alii

Proj # 5813

{ Requirement:
NED

17 July 1950

SR ~~26 Jun '50~~

Finite Representations of a Group of Unimodular Matrices,
by I. M. Gel'fand, M. L. Tsetlin, 7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, 1950, pp 825-828.
9218756

AEC-Tr-6132

Sci-Nucl Sci
Feb 64

249,548

DAN, SSSR 71, No 5 859-862 (1950)

Vaisman, I. A.

On Closed Shells of Neutrons and Protons in the
Atomic Nucleus.

Proj. No 9510

SR SP 26.9.5

Theory of Relaxation Phenomena in Solids, by B. N.
Finkel'shteyn and N. S. Fastov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 5,
1950, pp 875-878

AKC Tr 3702
CIA/FDD/X-1133

Scientific - Physics

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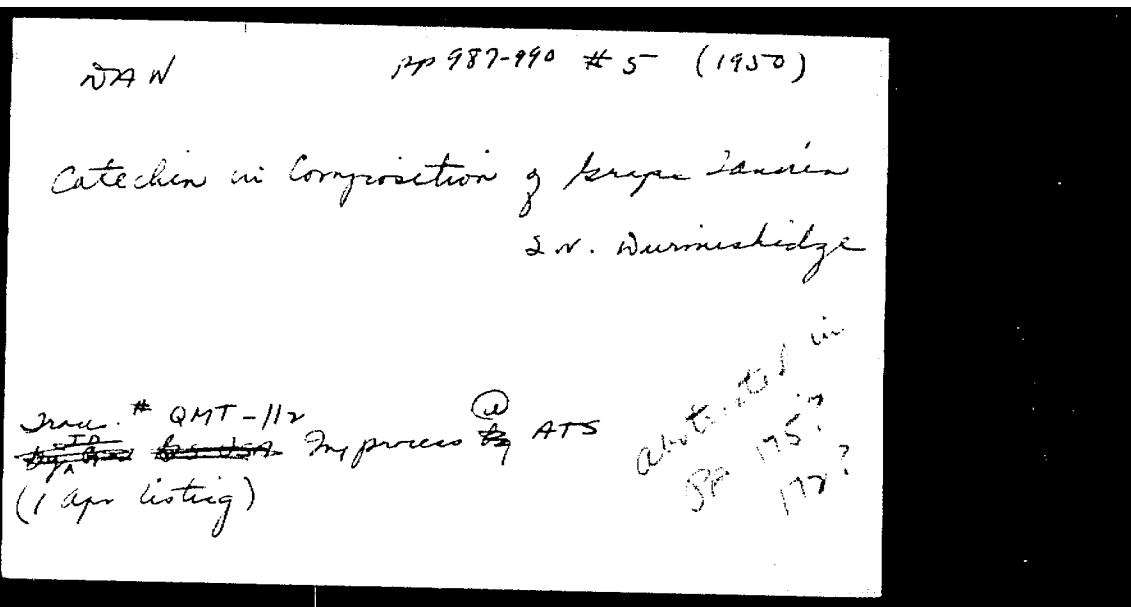
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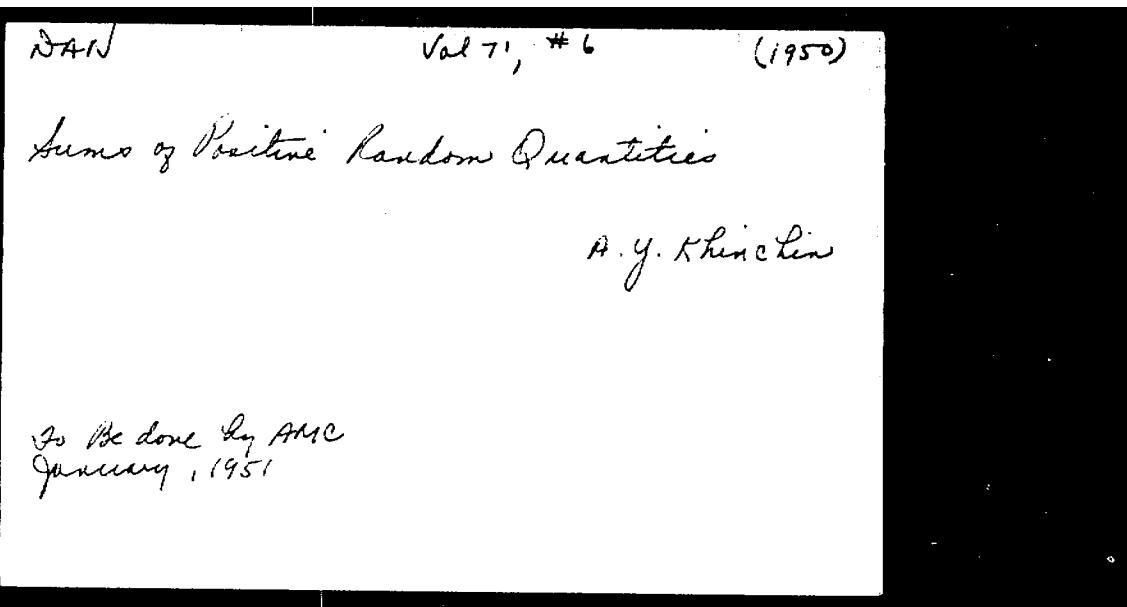
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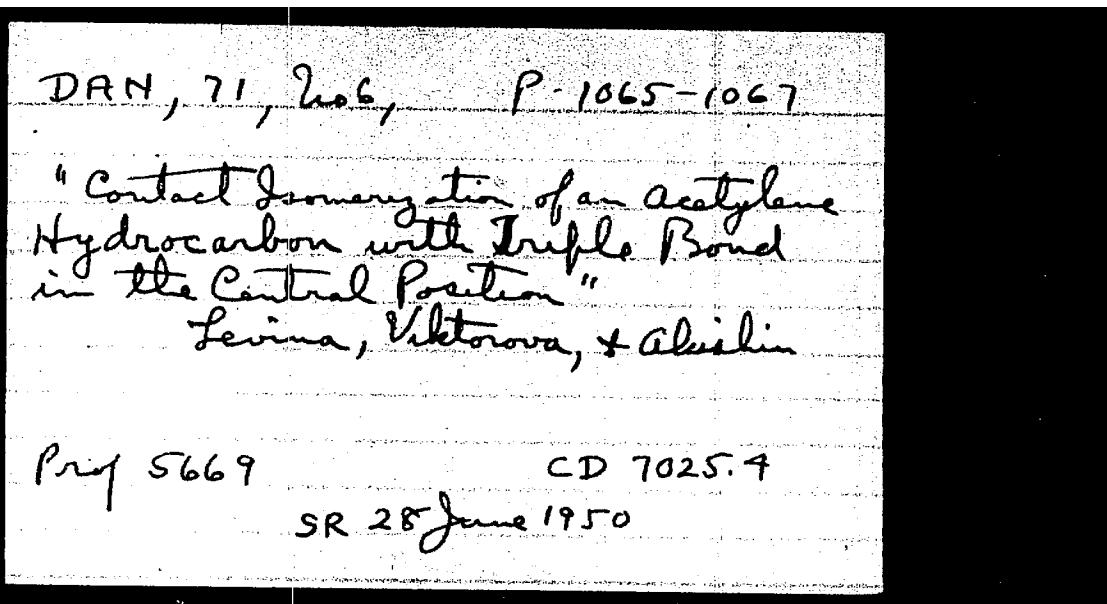
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